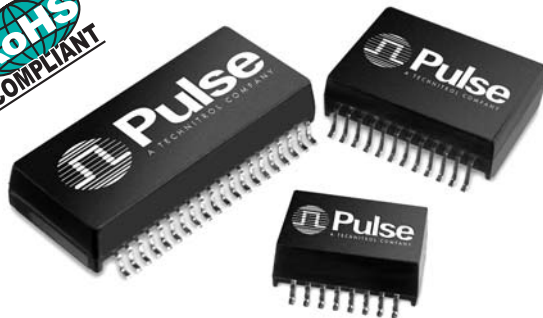


Star Magnetics™ Gigabit Transformer Modules with PoE* Option

*Power over Ethernet



- For RoHS part add suffix **NL**²
- Peak solder temperature rating per Table 5-2 in IPC/JEDEC J-STD-020C
- Meets IEEE 802.3 specification
- Compact footprint

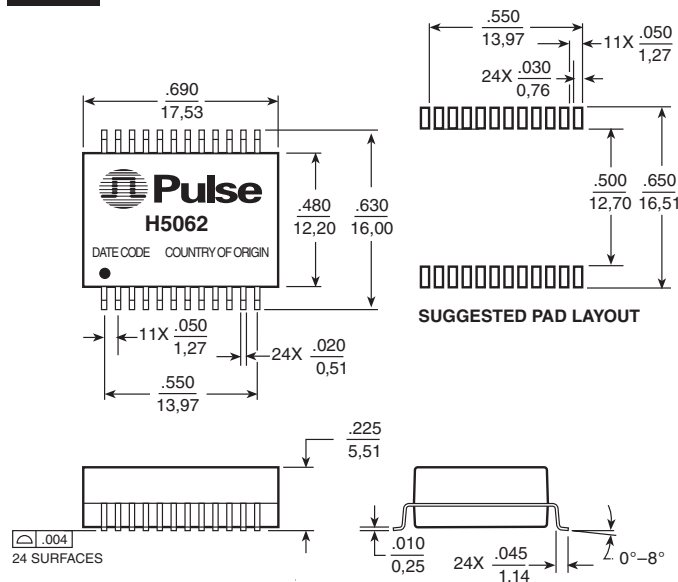
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number ¹	RoHS ²	PoE	Turns Ratio		Number of Ports	Insertion Loss (dB MAX)			Return Loss (2out = 100 Ω ±15%)				Crosstalk (adjacent channels, dB MIN)			Hipot (Vrms MIN)
			TX	RX		0.1 MHz	100 MHz	125 MHz	30 MHz	60 MHz	80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
H5062	NL ^{4a}	No	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500
H6062	NL ^{4a}	Yes	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500
H6080	3, 4 ^a	Yes	1:1	1:1	2	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500

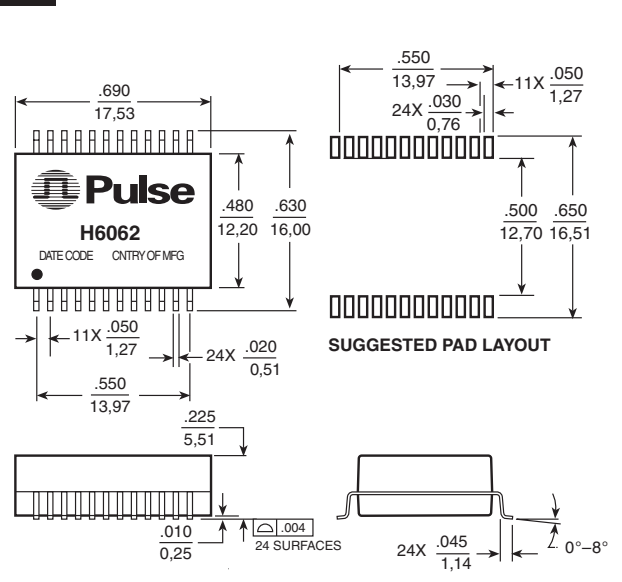
- For **Tape & Reel packaging** add a "T" suffix to the end of the part number when ordering, e.g. H5062T
- Add suffix **NL** for RoHS compliant parts, e.g: H5062 changes to H5062NL or H5062NLT (for Tape & Reel)
- Contact Pulse for RoHS compliant part availability
- MSL**=Moisture Sensitivity Level a=1 b=2 c=3 d=4 e=5

Mechanicals

H5062



H6062



Weight2.7 grams
Tape & Reel300/reel
Tube25/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

Weight2.63 grams
Tape & Reel300/reel
Tube25

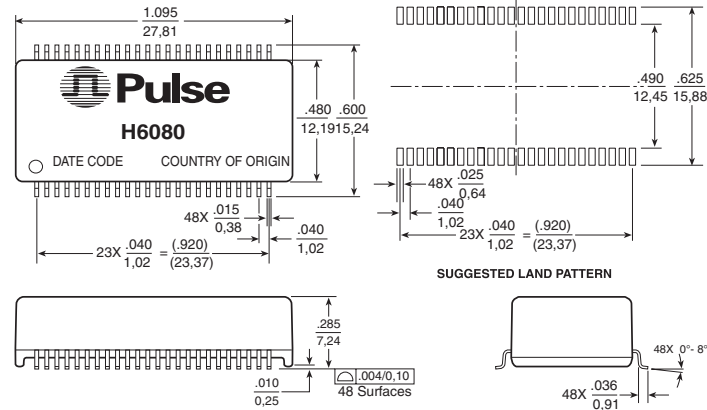
USA 858 674 8100 • UK 44 1483 401 700 • France 33 3 84 35 04 04 • Singapore 65 6287 8998 • Shanghai 86 21 32181071 • China 86 769 5538070 • Taiwan 886 2 26980228

Star Magnetics™ Gigabit Transformer Modules with PoE* Option



Mechanicals (continued)

H6080



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

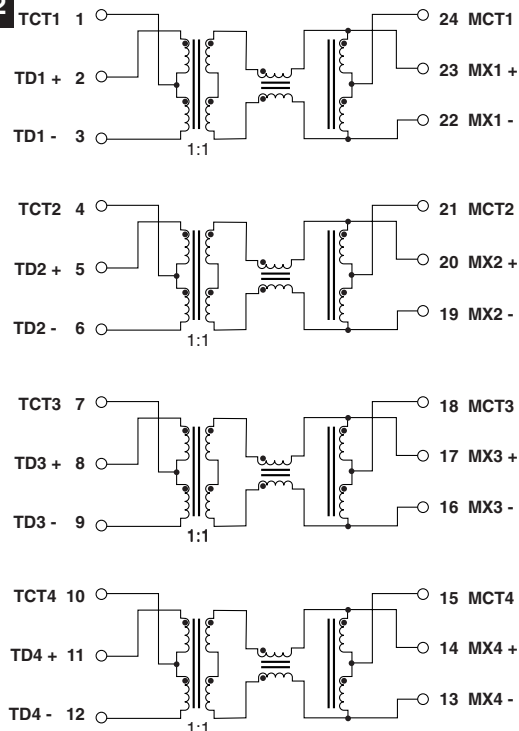
Weight 4.0 grams

Tape & Reel250/reel

Tube15/tube

Schematics

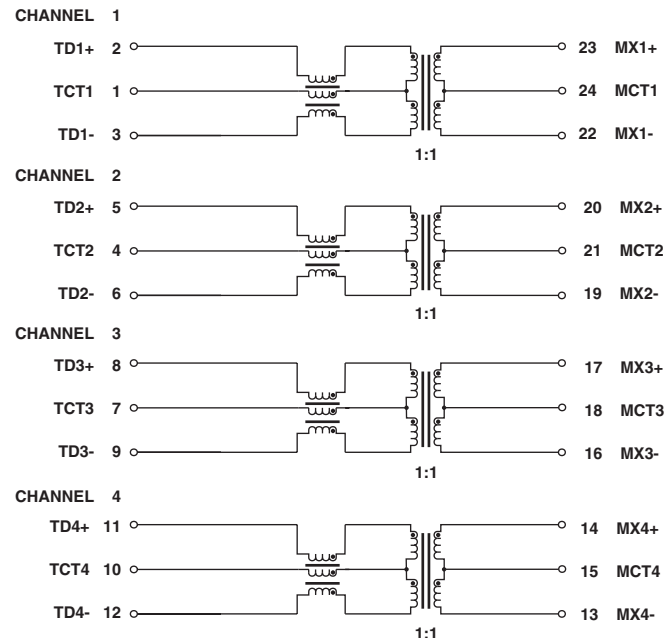
H5062



LEGEND



H6062



Star Magnetics™

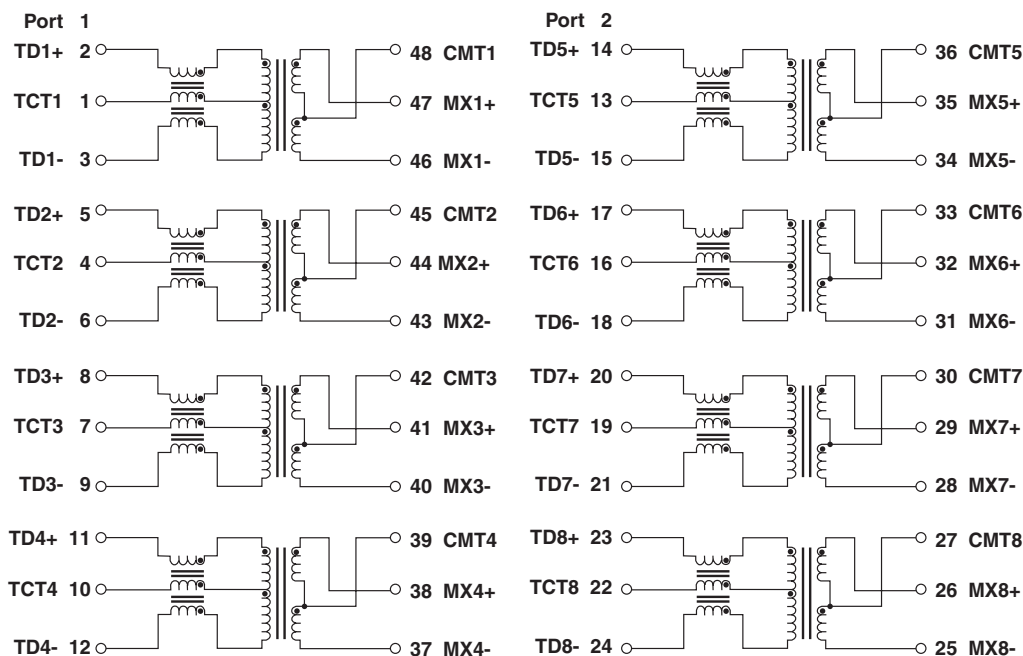
Gigabit Transformer Modules

with PoE* Option



Schematics (continued)

H6080



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